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**Series 875 - Occupational and
Residential Exposure Test Guidelines**

**Group B - POSTAPPLICATION EXPOSURE
MONITORING TEST GUIDELINES**

Version 5.4

**U.S. Environmental Protection Agency
Office of Prevention, Pesticides,
and Toxic Substances**

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DISCLAIMER

This document is a working draft for review purposes only and does not constitute U.S. Environmental Protection Agency policy. It is being circulated for comment on its technical accuracy and policy implications.

ABOUT THE REVISION

WHAT IT IS:

Series 875 - Group B: *Postapplication Exposure Monitoring Guidelines* is a revision and expansion of the former *Pesticide Assessment Guidelines Subdivision K*. Series 875 - Group B is one of several guidelines available to assist the regulated community in designing and implementing studies required under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA).

WHO IT'S FOR:

- Pesticide registrants and other individuals interested in postapplication exposure monitoring.

WHAT'S NEW:

These guidelines greatly expand the scope and depth of the existing Subdivision K Guidelines. Highlights include:

- Guidance on providing a study design;
- Guidance on conducting indoor/residential exposure monitoring;
- Guidance on conducting lawn/turf exposure monitoring;
- Guidance for providing detailed use information; and
- Guidance for providing detailed quality assurance and quality control data.

ORGANIZATION OF THIS DOCUMENT:

This document is divided into four Parts followed by an appendix. The actual "how-to" instructions are provided in Part B. Part A provides background material; Part C provides information on quality assurance and quality control; and Part D provides information on the calculations needed to assess exposure and risk.

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TABLE OF CONTENTS

	<u>Page No.</u>
PART A - OVERVIEW AND SUMMARY	A-1
PREAMBLE	A-1
Initiatives to Generate Data	A-2
A HISTORICAL PERSPECTIVE	A-2
EVIDENCE OF POSTAPPLICATION EXPOSURE	A-4
Agricultural	A-4
Residential	A-5
LEGISLATIVE AUTHORITY	A-7
Legislative Basis	A-7
EPA's Role in Providing Guidance	A-10
REGULATIONS AND POLICIES	A-10
Protection of Human Subjects	A-10
Good Laboratory Practices	A-11
GUIDELINE REQUIREMENTS -- AN OVERVIEW	A-12
USE OF THE GUIDELINES	A-12
REFERENCES FOR PART A	A-15
PART B - CHAPTER 1 BACKGROUND--GENERAL PROVISIONS	
GUIDELINE 875.2000	B1-1
1.1 PURPOSE AND SCOPE	B1-1
1.2 DEFINITIONS	B1-1
1.3 REQUIREMENT FOR POSTAPPLICATION EXPOSURE	
AND SUPPORTING DATA	B1-6
1.3.1 Toxicity and Exposure Criteria	B1-6
1.3.2 Waivers	B1-7
1.3.3 Formulators' Exemption	B1-8
1.4 GENERAL REPORTING REQUIREMENTS	B1-8
1.5 COORDINATION WITH OTHER REQUIREMENTS IN	
40 CFR PART 158	B1-8
1.6 TOXICITY DATA REQUIRED	B1-9
REFERENCES FOR PART B, CHAPTER 1	B1-11
PART B - CHAPTER 2 STUDY DESIGN	
GUIDELINE 875.2000	B2-1
2.1 INTRODUCTION	B2-1
2.2 SITE SELECTION CONSIDERATIONS	B2-2
2.2.1 Use Patterns and Activities	B2-3
2.2.2 Geographic and Climatological Considerations	B2-5
2.2.3 Sites/Populations to Monitor Within a Region	B2-7
2.2.4 Time of the Year for Monitoring	B2-8
2.2.5 Market Share	B2-9
2.3 NUMBER OF SAMPLES AND REPLICATES	B2-9
2.4 TEST SAFETY	B2-10

TABLE OF CONTENTS (continued)

	<u>Page No.</u>
2.5	MATERIALS AND METHODS B2-11
2.5.1	Test Material B2-11
2.5.2	Pesticide Application B2-12
2.5.3	Description of Methods For Monitoring Pesticide Concentration B2-12
2.6	SAMPLE HANDLING AND COLLECTION PROCEDURES B2-13
2.7	ANALYTICAL CHEMISTRY B2-13
2.8	QUALITY ASSURANCE AND QUALITY CONTROL B2-13
2.8.1	Quality Assurance B2-14
2.8.2	Quality Control B2-15
2.9	CONTINGENCY PLANNING B2-15
2.10	REPORTING AND RECORD KEEPING B2-16
	REFERENCES FOR PART B, CHAPTER 2 B2-17
 PART B - CHAPTER 3 DISLODGEABLE FOLIAR RESIDUE DISSIPATION: AGRICULTURAL GUIDELINE 875.2100 B3-1	
3.1	INTRODUCTION B3-1
3.2	SAMPLE COLLECTION B3-1
3.2.1	Test Substance B3-1
3.2.2	Timing of Application B3-1
3.2.3	Pesticide Application Rate and Frequency B3-2
3.2.4	Sampling Parameters B3-2
3.2.4.1	<i>Number of Geographic Locations</i> B3-2
3.2.4.2	<i>Sampling Period</i> B3-2
3.2.4.3	<i>Sampling Intervals</i> B3-3
3.2.4.4	<i>Number of Samples and Sampling Positions</i> B3-3
3.2.5	Technique Validation B3-4
3.2.6	Sampling Techniques B3-4
3.2.6.1	<i>Leaf Punch</i> B3-7
3.2.6.2	<i>Whole Leaf</i> B3-7
3.2.7	General Considerations for Field Sample Collection B3-10
3.2.8	Sample Dislodging Procedures B3-10
3.2.9	Unit Surface Area Determination B3-12
3.3	SAMPLE STORAGE B3-12
3.4	SAMPLE ANALYSIS B3-13
3.5	CALCULATIONS B3-13
3.6	DATA PRESENTATION B3-13
	REFERENCES FOR PART B, CHAPTER 3 B3-14

TABLE OF CONTENTS (continued)

Page No.

PART B - CHAPTER 4 TRANSFERABLE RESIDUE DISSIPATION: LAWN AND TURF	
GUIDELINE 875.2100	B4-1
4.1 INTRODUCTION	B4-1
4.2 SAMPLE COLLECTION	B4-1
4.2.1 Test Substance	B4-1
4.2.2 Timing of Application	B4-2
4.2.3 Pesticide Application Rate and Frequency	B4-2
4.2.4 Sampling Parameters	B4-2
4.2.4.1 <i>Number of Geographic Locations</i>	B4-3
4.2.4.2 <i>Sampling Period</i>	B4-3
4.2.4.3 <i>Sampling Intervals</i>	B4-3
4.2.4.4 <i>Number of Samples and Sampling Positions</i>	B4-4
4.2.5 Sampling Techniques	B4-4
4.2.5.1 <i>Dislodgeable Residue Technique</i>	B4-5
4.2.5.2 <i>Cheese Cloth Wipe Techniques</i>	B4-5
4.2.5.3 <i>Polyurethane Foam Roller</i>	B4-5
4.2.5.4 <i>California Cloth Roller</i>	B4-6
4.2.5.5 <i>Drag Sled</i>	B4-9
4.2.6 General Considerations for Field Sample Collection	B4-9
4.3 SAMPLE STORAGE	B4-9
4.4 SAMPLE ANALYSIS	B4-9
4.5 CALCULATIONS	B4-11
4.6 DATA PRESENTATION	B4-11
REFERENCES FOR PART B, CHAPTER 4	B4-12
PART B - CHAPTER 5 SOIL RESIDUE DISSIPATION	
GUIDELINE 875.2200	B5-1
5.1 INTRODUCTION	B5-1
5.2 SAMPLE COLLECTION	B5-1
5.2.1 Test Substance	B5-1
5.2.2 Timing of Application	B5-1
5.2.3 Pesticide Application Rate and Frequency	B5-2
5.2.4 Sampling Parameters	B5-2
5.2.4.1 <i>Number of Geographic Locations</i>	B5-2
5.2.4.2 <i>Sampling Period</i>	B5-2
5.2.4.3 <i>Sampling Intervals</i>	B5-3
5.2.4.4 <i>Number of Samples and Sampling Positions</i>	B5-4
5.2.5 Technique Validation	B5-4
5.2.6 Sampling Techniques	B5-4
5.2.7 General Considerations for Field Sample Collection	B5-6
5.2.8 Sample Preparation Procedures	B5-7
5.2.9 Soil Characterization	B5-7
5.2.10 Water Content	B5-9
5.3 SAMPLE STORAGE	B5-9
5.4 SAMPLE ANALYSIS	B5-9

TABLE OF CONTENTS (continued)

	<u>Page No.</u>
5.5 CALCULATIONS	B5-9
5.6 DATA PRESENTATION	B5-12
REFERENCES FOR PART B, CHAPTER 5	B5-13
PART B - CHAPTER 6 INDOOR SURFACE RESIDUE DISSIPATION	
GUIDELINE 875.2300	B6-1
6.1 INTRODUCTION	B6-1
6.2 SAMPLE COLLECTION	B6-3
6.2.1 Test Substance	B6-3
6.2.2 Timing of Application	B6-3
6.2.3 Pesticide Application Rate and Frequency	B6-4
6.2.4 Sampling Parameters	B6-4
6.2.4.1 <i>Number of Locations</i>	B6-5
6.2.4.2 <i>Sampling Period</i>	B6-5
6.2.4.3 <i>Sampling Intervals</i>	B6-5
6.2.4.4 <i>Number of Samples and Sampling Positions</i>	B6-5
6.2.5 Sampling Techniques	B6-6
6.2.5.1 <i>Polyurethane Foam (PUF) Roller</i>	B6-7
6.2.5.2 <i>California Cloth Roller</i>	B6-10
6.2.5.3 <i>Drag Samplers</i>	B6-10
6.2.5.4 <i>Vacuum Cleaners</i>	B6-12
6.2.5.5 <i>Coupons</i>	B6-15
6.2.5.6 <i>Wipe Samples</i>	B6-15
6.2.5.7 <i>Hand Press</i>	B6-16
6.2.5.8 <i>Migration Method</i>	B6-16
6.2.6 General Considerations for Field Sample Collection	B6-17
6.3 SAMPLE STORAGE	B6-17
6.4 SAMPLE ANALYSIS	B6-18
6.5 CALCULATIONS	B6-18
6.6 DATA PRESENTATION	B6-18
REFERENCES FOR PART B, CHAPTER 6	B6-20
PART B - CHAPTER 7 DERMAL EXPOSURE	
GUIDELINE 875.2400	B7-1
7.1 INTRODUCTION	B7-1
7.2 SAMPLE COLLECTION	B7-1
7.2.1 Test Substance	B7-1
7.2.2 Timing of Application	B7-1
7.2.3 Pesticide Application Rate and Frequency	B7-2
7.2.4 Sampling Parameters	B7-2
7.2.5 Sampling Techniques	B7-3
7.2.5.1 <i>Patch Dermal Dosimeter</i>	B7-4
7.2.5.2 <i>Whole Body Dosimeter</i>	B7-7
7.2.5.3 <i>Hand Rinse and Wash</i>	B7-9
7.2.5.4 <i>Sampling Gloves</i>	B7-10
7.2.5.5 <i>Fluorescent Tracer</i>	B7-11

TABLE OF CONTENTS (continued)

	<u>Page No.</u>
7.2.6 General Considerations for Field Sample Collection	B7-12
7.3 SAMPLE STORAGE	B7-12
7.4 SAMPLE ANALYSIS	B7-12
7.5 CALCULATIONS	B7-12
7.6 DATA PRESENTATION	B7-12
REFERENCES FOR PART B, CHAPTER 7	B7-13
 PART B - CHAPTER 8 INHALATION EXPOSURE	
GUIDELINE 875.2500	B8-1
8.1 INTRODUCTION	B8-1
8.2 SAMPLE COLLECTION	B8-1
8.2.1 Test Substance	B8-1
8.2.2 Timing of Application	B8-1
8.2.3 Pesticide Application Rate and Frequency	B8-2
8.2.4 Sampling Parameters	B8-2
8.2.5 Monitoring Selection Criteria	B8-3
8.2.5.1 <i>General Considerations</i>	B8-3
8.2.5.2 <i>Method Sensitivity</i>	B8-5
8.2.5.3 <i>Sampling Pump Flow Rates</i>	B8-5
8.2.5.4 <i>Method Validation Considerations</i>	B8-6
8.2.5.5 <i>Study Validation Requirements</i>	B8-6
8.2.5.6 <i>Novel Sampling and Analysis Methodologies</i>	B8-8
8.2.6 Sampling Techniques	B8-8
8.2.6.1 <i>Personal vs. Area Monitoring Techniques</i>	B8-8
8.2.6.2 <i>General Considerations</i>	B8-11
8.2.6.3 <i>Monitoring Equipment</i>	B8-12
8.2.6.4 <i>Sampling Media</i>	B8-15
8.2.6.5 <i>Small Scale Environmental Chambers</i>	B8-24
8.3 SAMPLE STORAGE	B8-25
8.4 SAMPLE ANALYSIS	B8-25
8.5 CALCULATIONS	B8-25
8.6 DATA PRESENTATION	B8-25
REFERENCES FOR PART B, CHAPTER 8	B8-26
 PART B - CHAPTER 9 NONDIETARY INGESTION EXPOSURE ASSESSMENT	
9.1 INTRODUCTION	B9-1
9.2 SAMPLE COLLECTION	B9-1
9.2.1 Test Substance	B9-1
9.2.2 Timing of Application	B9-2
9.2.3 Pesticide Application Rate and Frequency	B9-2
9.2.4 Sampling and Assessment Parameters	B9-2
9.2.5 Sampling Techniques	B9-3
9.2.5.1 <i>Inadvertent Soil or Dust Ingestion</i>	B9-3
9.2.5.2 <i>Ingestion of Pesticide-Treated Foliage</i>	B9-3
9.2.5.3 <i>Ingestion of Pesticide Granules/Pellets, or Paint Chips</i> ...	B9-4
9.2.5.4 <i>Hand-to-Mouth Transfer</i>	B9-4

TABLE OF CONTENTS (continued)

	<u>Page No.</u>
9.3 SAMPLE STORAGE	B9-5
9.4 SAMPLE ANALYSIS	B9-5
9.5 CALCULATIONS	B9-6
9.6 DATA PRESENTATION	B9-6
REFERENCES FOR PART B, CHAPTER 9	B9-7
 PART B - CHAPTER 10 BIOLOGICAL MONITORING	
GUIDELINE 875.2600	B10-1
10.1 INTRODUCTION	B10-1
10.2 SAMPLE COLLECTION	B10-4
10.2.1 Test Substance	B10-4
10.2.2 Timing of Application	B10-4
10.2.3 Pesticide Application Rate and Frequency	B10-4
10.2.4 Sampling Parameters	B10-5
10.2.5 Sampling Techniques	B10-5
10.2.5.1 <i>Blood</i>	B10-6
10.2.5.2 <i>Urine</i>	B10-9
10.3 SAMPLE STORAGE	B10-10
10.3.1 Blood	B10-10
10.3.2 Urine	B10-11
10.4 SAMPLE ANALYSIS	B10-11
10.5 CALCULATIONS	B10-12
10.6 DATA PRESENTATION	B10-12
REFERENCES FOR PART B, CHAPTER 10	B10-13
 PART B - CHAPTER 11 PRODUCT USE INFORMATION	
GUIDELINE 875.2700	B11-1
11.1 INTRODUCTION	B11-1
11.2 DATA REQUIREMENT	B11-1
11.2.1 Agricultural Scenarios	B11-1
11.2.2 Industrial Scenarios	B11-2
11.2.3 Residential Scenarios	B11-2
11.3 DATA PRESENTATION	B11-3
 PART B - CHAPTER 12 DESCRIPTIONS OF HUMAN ACTIVITY	
GUIDELINE 875.2800	B12-1
12.1 INTRODUCTION	B12-1
12.2 DATA REQUIREMENT	B12-1
12.3 ACTIVITY PATTERN (TIME USE) DATA SOURCES	B12-3
12.4 DATA PRESENTATION	B12-6
REFERENCES FOR PART B, CHAPTER 12	B12-7

TABLE OF CONTENTS (continued)

	<u>Page No.</u>
PART C - QUALITY ASSURANCE/QUALITY CONTROL (QA/QC)	C-1
1.0 INTRODUCTION AND OVERVIEW	C-1
2.0 PRE-FIELD LABORATORY CONSIDERATIONS	C-2
2.1 Analytical Method Development	C-2
2.2 Analytical Method Validation	C-6
2.3 Other Validation Studies	C-7
2.4 Sample Collection Devices	C-8
3.0 FIELD STUDY CONSIDERATIONS	C-9
3.1 Analytical Field QA/QC Operations	C-9
3.1.1 Field Recovery of Human Exposure Samples	C-10
3.1.2 Field Recovery for Environmental Residues	C-12
3.1.3 Travel Recoveries	C-13
3.1.4 Fortification Solutions	C-13
3.1.5 Control Site	C-14
3.2 Field Data Collection and Documentation	C-14
3.2.1 Study Site Characteristics	C-14
3.2.2 Application Equipment and Procedures	C-15
3.2.3 Climatological Data	C-15
3.2.4 Sampling Equipment and Techniques	C-16
4.0 LABORATORY ANALYSIS OF COLLECTED SAMPLES	C-16
4.1 Instrument Performance	C-17
4.2 Calibration Techniques	C-17
4.3 Concurrent Laboratory Recovery	C-17
5.0 GOOD LABORATORY PRACTICES	C-18
5.1 Sample Storage and Shipment	C-18
5.2 Chain-of-Custody	C-18
REFERENCES FOR PART C	C-20
PART D - CHAPTER 1 FUNDAMENTALS OF EXPOSURE AND RISK ASSESSMENT ..	D1-1
1.1 INTRODUCTION AND PURPOSE	D1-1
1.2 GENERAL PRINCIPLES OF EXPOSURE ASSESSMENT	D1-2
1.3 GENERAL PRINCIPLES OF RISK ASSESSMENT	D1-4
1.4 INPUTS AND STANDARD ASSUMPTIONS USED IN EXPOSURE/RISK ASSESSMENT	D1-7
1.5 CHARACTERIZING EXPOSURE/RISK	D1-7
REFERENCES FOR PART D, CHAPTER 1	D1-8
PART D - CHAPTER 2 CALCULATIONS	
GUIDELINE 875.2900	D2-1
2.1 INTRODUCTION AND PURPOSE	D2-1
2.2 COMMONLY USED FORMULAS AND APPROACHES	D2-1
2.2.1 Statistical Formulas	D2-1
2.2.2 Appropriate Use of Quantification/Detection Limits	D2-3

TABLE OF CONTENTS (continued)

	<u>Page No.</u>
2.3	CHEMICAL DATA D2-4
2.3.1	Basic Manipulation of Raw Data D2-4
2.3.2	Corrections Based on Quality Control Data D2-7
2.4	EXPOSURE/DOSE CALCULATIONS D2-8
2.4.1	Calculation of Exposure and Potential Dose D2-9
2.4.2	Calculation of Internal Dose Levels D2-13
2.4.3	Unit Dose Levels D2-15
2.4.4	Required Statistical Manipulations D2-15
2.5	CHEMICAL DISSIPATION KINETICS D2-16
2.6	TRANSFER COEFFICIENTS AND EXPOSURE MODELS D2-19
2.6.1	Calculation of Transfer Coefficients D2-19
2.6.2	Use of Transfer Coefficients D2-21
2.6.3	Currently Used Assumptions for Assessing Nondietary Ingestion Exposure D2-21
2.6.4	Swimmer Exposure D2-23
2.7	AVERAGE DAILY DOSE D2-25
2.8	HAZARDS, RISKS, AND RESTRICTED ENTRY INTERVALS D2-27
2.8.1	Restricted Entry Interval (REI) Scenarios D2-28
2.8.2	Non-REI Scenarios D2-31
2.9	EXAMPLE CALCULATIONS D2-33
2.9.1	Example Scenario D2-34
2.9.2	Commonly Used Formulas and Approaches D2-35
2.9.3	Chemical Data D2-35
2.9.4	Dose Calculations D2-40
2.9.5	Chemical Dissipation Kinetics D2-44
2.9.6	Transfer Coefficients and Exposure Models D2-46
2.9.7	Average Daily Dose (ADD) and Lifetime Average Daily Dose (LADD) D2-51
2.9.8	Risks, Hazards, and Restricted Entry Intervals D2-53
	REFERENCES FOR PART D, CHAPTER 2 D2-55
	PART D - CHAPTER 3 MODELING D3-1
3.1	INTRODUCTION D3-1
3.2	MODELING PARAMETERS D3-2
3.2.1	Estimation of Chemical Concentration D3-2
3.2.2	Estimation of Human Exposure D3-4
3.3	EXAMPLES OF COMPUTER MODELS D3-5
3.4	VALIDATION OF PREDICTIVE PESTICIDE EXPOSURE MODELS ... D3-10
3.5	REPORTING CRITERIA FOR MODEL-BASED ASSESSMENTS D3-11
APPENDIX 3-A	EXPOSURE MODELS/SOFTWARE BIBLIOGRAPHY D3-12
	REFERENCES FOR PART D, CHAPTER 3 D3-21
	APPENDIX I DATA REPORTING GUIDELINES I-1

LIST OF TABLES

	<u>Page No.</u>
Table A-1	Postapplication Exposure Monitoring Guideline Numbers A-10
Table A-2	Description of Required Studies A-14
Table B6-1	Observations from Field Use of Dislodgeable Residue Methods B6-8
Table B10-1	Methodological Issues in Sampling Storage and Analysis of Blood, and Urine B10-7
Table D2-1	Raw Data (Day 2) to be Used in Example Calculations D2-36
Table D2-2	Summary Statistics for Example Field Recovery D2-37
Table D2-3	Example Day 2 Environmental Data Normalization D2-38
Table D2-4	Example Day 2 Air Data Normalization D2-39
Table D2-5	Example Residue Recovery Correction Calculation D2-41
Table D2-6	Example Exposure and Dose Calculations for Day 2 Reentry D2-42
Table D2-7	Summary Statistics for Example (Day 2) Exposure Data D2-45
Table D2-8	DFR Data to be Used in Example Kinetics Calculations D2-47
Table D2-9	Summary DFR Kinetics Calculations D2-48
Table D2-10	Example Transfer Coefficient Calculations D2-50
Table D2-11	Example ADD and LADD Calculations D2-52
Table D2-12	Example REI Calculations D2-54

LIST OF FIGURES

	<u>Page No.</u>
Figure B2-1	Decision Tree for Site/Activity Selection B2-4
Figure B2-2	Residue Chemistry Trial National Regions B2-6
Figure B3-1	IWATA Approach for Tree Crop Sampling B3-5
Figure B3-2	Planned Approach for Field Crop Sampling B3-6
Figure B3-3	Schematic of a Typical Leaf Punch Apparatus B3-8
Figure B3-4	Schematic of a Typical Surface Area Meter B3-9
Figure B4-1	PUF Roller Sampling Instrument B4-7
Figure B4-2	California Cloth Roller Sampling Device B4-8
Figure B4-3	Dow Drag Sled Sampling Device B4-10
Figure B5-1	Planned Approach for Field Crop Sampling B5-5
Figure B5-2	Soil Sieve/Screen Schematic B5-8
Figure B5-3	Soil Texture Triangle B5-10
Figure B5-4	Percent Moisture Meter B5-11
Figure B6-1	PUF Roller Sampling Instrument B6-9
Figure B6-2	California Cloth Roller Sampling Device B6-11
Figure B6-3	Dow Drag Sled Sampling Device B6-13
Figure B6-4	HVS3 Sampling Device B6-14
Figure B7-1	Patch Locations B7-6
Figure B8-1	Relationship Between Particle Size and Deposition in the Respiratory Tract B8-4

LIST OF FIGURES (continued)

	<u>Page No.</u>
Figure B8-2 Suggested Outdoor Stationary Sampling Regimen	B8-10
Figure B8-3 Schematic of Typical Passive Monitor/Badge	B8-14
Figure B8-4 Schematic of Typical Resin Tube/Holder	B8-17
Figure B8-5 Schematic of Typical 37 mm Filter Cassette	B8-18
Figure B8-6 Schematic of a Typical Cyclone Device	B8-20
Figure B8-7 Schematic of a Typical Inertial Impactor	B8-21
Figure B8-8 Schematic of a Typical Impinger and Diffuser	B8-23
Figure D2-1 Calculation Progression Flowchart	D2-2
Figure D2-2 Schematic of Dose and Exposure	D2-10
Figure D2-3 Determination of a ARC Using the RDL Method	D2-30
Figure D2-4 Determination of an REI Using the ARC Method	D2-32
Figure D2-5 Example Chemical Dissipation Data	D2-49

UNITS OF MEASURE

cm	centimeter
gal	gallon
K	degrees Kelvin
kg	kilogram
L	liter
lb	pound
m	meter
mg	milligram
mL	milliliters
Pa	pascal
ppm	parts per million
%	percent
Torr/mm Hg	millimeters of mercury
μg	microgram
μm	micrometer

ACRONYMS

AChE	Acetyl Cholinesterase
ADD	Average Daily Dose
AEL	Allowable Exposure Level
ARC	Ambient Reentry Concentration
a.i.	Active Ingredient
ARTF	Agricultural Reentry Task Force
CBI	Confidential Business Information
COM	Consumer and Occupational Model
CFR	Code of Federal Regulations
DFR	Dislodgeable Foliar Residue
EPA	Environmental Protection Agency
FFDCA	Federal Food, Drug, and Cosmetic Act
FIFRA	The Federal Insecticide, Fungicide, and Rodenticide Act
FQPA	Food Quality Protection Act
HEAST	EPA's Health Effects Assessment Summary Tables
HED	Health Effects Division
HVAC	Heating, Ventilation, and Air Conditioning
GI	Gastrointestinal
GLPs	Good Laboratory Practices
IRIS	EPA's Integrated Risk Information System
ISR	Indoor Surface Residue
LADD	Lifetime Average Daily Dose
LC50	Median Lethal Concentration
LD50	Median Lethal Dose
LOD	Limit of Detection
log K _{ow}	Octanol/water Partition Coefficient
LOQ	Limit of Quantification
MCCEM	Multi-chamber Concentration and Exposure Model
MOE	Margin of Exposure
NIST	National Institute of Standards and Technology
NOAA	National Oceanic and Atmospheric Administration
NOAEL	No Observable Adverse Effect Level
NOEL	No Observable Effect Level
NOPES	Nonoccupational Pesticide Exposure Study
OECD	Organization for Economic and Cooperative Development
OP	Organophosphorous insecticides
OPP	The Office of Pesticide Programs
OPPTS	Office of Prevention, Pesticides, and Toxic Substances
ORETF	Outdoor Residential Exposure Task Force
PCP	Pentachlorophenol
PUF	Polyurethane Foam

ACRONYMS (continued)

QA	Quality Assurance
QA/QC	Quality Assurance/Quality Control
QAU	Quality Assurance Unit
QC	Quality Control
RDL	Reentry Dose Level
REI	Restricted-entry interval
SAP	FIFRA Scientific Advisory Panel
SCIES	Screening Consumer Inhalation Exposure Software
SRD	Soil Residue Dissipation
SVOCs	Semi-volatile Organic Chemicals
TC	Transfer Coefficients
TGAI	Technical Grade of the Active Ingredient
TSCA	The Toxic Substances Control Act
UAR	Unidentified Analytical Response
USDA	United States Department of Agriculture
VOCs	Volatile Organic Chemicals
WBD	Whole Body Dosimeters
WPS	Worker Protection Standards